

Ag. Waste Application and Excavated Ponds  
Lawrence County, South Dakota

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation.)

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
AaB: Alice-----	90	Very limited Filtering capacity	1.00	Very limited Deep to water	1.00
Ba: Barnum-----	90	Somewhat limited Flooding Salinity	0.60 0.01	Very limited Deep to water	1.00
Bb: Barnum-----	85	Somewhat limited Flooding Salinity	0.60 0.01	Very limited Deep to water	1.00
BcA: Boneek-----	90	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
BcB: Boneek-----	85	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
BcC: Boneek-----	85	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
BdE: Buska-----	65	Very limited Slope	1.00	Very limited Deep to water	1.00
Rock Outcrop, Hard--	20	Not rated		Not rated	

Ag. Waste Application and Excavated Ponds -- continued  
Lawrence County, South Dakota

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
BeE: Butche-----	85	Very limited Slope Depth to bedrock Droughty Runoff limitation Cobble content	 1.00 1.00 1.00 0.40 0.32	Very limited Deep to water	1.00
BhE: Butche-----	60	Very limited Slope Depth to bedrock Droughty Runoff limitation Cobble content	 1.00 1.00 1.00 0.40 0.32	Very limited Deep to water	1.00
Rock Outcrop, Sandy-	25	Not rated		Not rated	
BkD: Butche-----	60	Very limited Depth to bedrock Droughty Slope Runoff limitation Low adsorption	 1.00 1.00 1.00 0.40 0.01	Very limited Deep to water	1.00
Satanta-----	35	Not limited		Very limited Deep to water	1.00
CaD: Canyon-----	55	Very limited Depth to bedrock Droughty Runoff limitation Slope	 1.00 1.00 0.40 0.37	Very limited Deep to water	1.00
Bridget-----	25	Not limited		Very limited Deep to water	1.00
CaE: Canyon-----	60	Very limited Slope Depth to bedrock Droughty Runoff limitation	 1.00 1.00 1.00 0.40	Very limited Deep to water	1.00

Ag. Waste Application and Excavated Ponds -- continued  
Lawrence County, South Dakota

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Bridget-----	25	Somewhat limited Slope	0.84	Very limited Deep to water	1.00
CbE: Citadel-----	70	Very limited Slope Restricted permeability Too acid	1.00 0.89 0.02	Very limited Deep to water	1.00
Cc: Orthents, Tailings--	100	Not rated		Not rated	
EaD: Enning-----	70	Very limited Slope Depth to bedrock Droughty Runoff limitation	1.00 1.00 1.00 0.40	Very limited Deep to water	1.00
Minnequa-----	20	Somewhat limited Slope Droughty Depth to bedrock Sodium content Restricted permeability	0.63 0.61 0.42 0.32 0.30	Very limited Deep to water	1.00
GaD: Glenberg Variant----	90	Very limited Flooding	1.00	Very limited Deep to water	1.00
GbE: Grizzly-----	55	Very limited Slope Restricted permeability	1.00 0.89	Very limited Deep to water	1.00
Virkula-----	25	Very limited Slope Restricted permeability Too acid	1.00 0.30 0.11	Very limited Deep to water	1.00

Ag. Waste Application and Excavated Ponds -- continued  
Lawrence County, South Dakota

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
GcD: Grummit-----	75	Very limited Depth to bedrock Droughty Slope Too acid Runoff limitation	1.00 1.00 0.96 0.78 0.40	Very limited Deep to water	1.00
Rock Outcrop, Acid--	15	Not rated		Not rated	
GdE: Grummit-----	60	Very limited Slope Depth to bedrock Droughty Too acid Runoff limitation	1.00 1.00 1.00 0.78 0.40	Very limited Deep to water	1.00
Rock Outcrop, Acid--	35	Not rated		Not rated	
GeD: Gypnevee-----	65	Somewhat limited Slope	0.37	Very limited Deep to water	1.00
Rekop-----	25	Very limited Slope Depth to bedrock Droughty Runoff limitation	1.00 1.00 1.00 0.40	Very limited Deep to water	1.00
Ha: Higgins-----	90	Very limited Depth to saturated zone Flooding Runoff limitation	1.00 0.60 0.40	Somewhat limited Cutbanks cave Slow refill	0.50 0.30
HbF: Hisega-----	60	Very limited Slope	1.00	Very limited Deep to water	1.00

Ag. Waste Application and Excavated Ponds -- continued  
Lawrence County, South Dakota

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Rock Outcrop, Hard--	25	Not rated		Not rated	
HcA: Hisle-----	85	Very limited Sodium content Droughty Depth to bedrock Runoff limitation Salinity	1.00 1.00 0.42 0.40 0.35	Very limited Deep to water	1.00
HdA: Hisle-----	65	Very limited Sodium content Droughty Depth to bedrock Runoff limitation Salinity	1.00 1.00 0.42 0.40 0.35	Very limited Deep to water	1.00
Slickspots, Dry-----	20	Not rated		Not rated	
KaA: Kyle-----	90	Very limited Restricted permeability Runoff limitation Sodium content	1.00 0.40 0.32	Very limited Deep to water	1.00
KaB: Kyle-----	90	Very limited Restricted permeability Runoff limitation Sodium content	1.00 0.40 0.32	Very limited Deep to water	1.00
LaE: Lakoa-----	80	Very limited Slope Too acid	1.00 0.02	Very limited Deep to water	1.00

Ag. Waste Application and Excavated Ponds -- continued  
Lawrence County, South Dakota

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
MaC: Maitland-----	90	Somewhat limited Too acid	0.11	Very limited Deep to water	1.00
MaD: Maitland-----	85	Very limited Slope Too acid	1.00 0.11	Very limited Deep to water	1.00
MbE: Marshbrook-----	55	Very limited Depth to saturated zone Flooding Runoff limitation Restricted permeability	1.00 0.60 0.40 0.30	Somewhat limited Slow refill Cutbanks cave	0.30 0.10
Maitland-----	35	Somewhat limited Too acid	0.11	Very limited Deep to water	1.00
McD: Midway-----	60	Very limited Depth to bedrock Droughty Slope Restricted permeability Sodium content	1.00 1.00 0.96 0.89 0.50	Very limited Deep to water	1.00
Razor-----	25	Very limited Restricted permeability Slope Depth to bedrock Droughty	1.00 0.63 0.42 0.37	Very limited Deep to water	1.00
NaB: Nevee-----	85	Not limited		Very limited Deep to water	1.00
NaC: Nevee-----	85	Not limited		Very limited Deep to water	1.00
NbD: Nevee-----	35	Somewhat limited Slope	0.63	Very limited Deep to water	1.00

Ag. Waste Application and Excavated Ponds -- continued  
Lawrence County, South Dakota

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Spearfish-----	30	Very limited Slope Depth to bedrock Droughty Runoff limitation Low adsorption	1.00 1.00 1.00 0.40 0.16	Very limited Deep to water	1.00
Rock Outcrop, Soft--	20	Not rated		Not rated	
NcD: Nihill-----	85	Very limited Slope Droughty	1.00 0.09	Very limited Deep to water	1.00
NdA: Nunn-----	85	Very limited Restricted permeability	1.00	Very limited Deep to water	1.00
NdB: Nunn-----	85	Very limited Restricted permeability	1.00	Very limited Deep to water	1.00
NdC: Nunn-----	85	Very limited Restricted permeability	1.00	Very limited Deep to water	1.00
PaE: Pactola-----	65	Somewhat limited Slope Too acid	0.37 0.03	Very limited Deep to water	1.00
Rock Outcrop, Hard--	20	Not rated		Not rated	

Ag. Waste Application and Excavated Ponds -- continued  
Lawrence County, South Dakota

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
PbE: Paunsaugunt-----	50	Very limited Slope Depth to bedrock Droughty Runoff limitation	1.00 1.00 1.00 0.40	Very limited Deep to water	1.00
Rock Outcrop, Sandy-	40	Not rated		Not rated	
PcB: Pierre-----	90	Very limited Restricted permeability Droughty Depth to bedrock Runoff limitation Sodium content	1.00 1.00 0.42 0.40 0.18	Very limited Deep to water	1.00
PcD: Pierre-----	85	Very limited Restricted permeability Droughty Slope Depth to bedrock Runoff limitation	1.00 1.00 0.63 0.42 0.40	Very limited Deep to water	1.00
Pe: Rock Outcrop, Hard--	100	Not rated		Not rated	
RaE: Rekop-----	35	Very limited Slope Depth to bedrock Droughty Runoff limitation	1.00 1.00 1.00 0.40	Very limited Deep to water	1.00
Gypnevee-----	25	Very limited Slope	1.00	Very limited Deep to water	1.00



Ag. Waste Application and Excavated Ponds -- continued  
Lawrence County, South Dakota

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Rock Outcrop, Sandy-	20	Not rated		Not rated	
RbF: Rock Outcrop, Hard--	55	Not rated		Not rated	
Pactola-----	35	Very limited Slope Too acid	1.00 0.03	Very limited Deep to water	1.00
RcF: Rock Outcrop, Sandy-	40	Not rated		Not rated	
Vanocker-----	40	Very limited Slope	1.00	Very limited Deep to water	1.00
SaA: Satanta-----	90	Not limited		Very limited Deep to water	1.00
SaB: Satanta-----	90	Not limited		Very limited Deep to water	1.00
SaC: Satanta-----	85	Not limited		Very limited Deep to water	1.00
SbA: Savo-----	90	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
Tilford-----	3	Not limited		Very limited Deep to water	1.00

Ag. Waste Application and Excavated Ponds -- continued  
Lawrence County, South Dakota

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
SbB: Savo-----	90	Somewhat limited Restricted permeability	0.30	Very limited Deep to water	1.00
ScD: Snomo-----	55	Somewhat limited Slope Too acid Droughty	0.84 0.50 0.19	Very limited Deep to water	1.00
Rock Outcrop, Acid--	30	Not rated		Not rated	
Sd: Stetter Variant----	100	Very limited Restricted permeability Flooding Runoff limitation Too acid	1.00 0.60 0.40 0.11	Very limited Deep to water	1.00
SeE: Stovho-----	70	Very limited Slope Restricted permeability Too acid	1.00 0.89 0.03	Very limited Deep to water	1.00
SgF: Stovho-----	45	Very limited Slope Restricted permeability Too acid	1.00 0.89 0.03	Very limited Deep to water	1.00
Trebor-----	30	Very limited Slope Droughty Depth to bedrock Restricted permeability Too acid	1.00 0.99 0.42 0.30 0.03	Very limited Deep to water	1.00
ShA: St. Onge-----	90	Not limited		Very limited Deep to water	1.00

Ag. Waste Application and Excavated Ponds -- continued  
Lawrence County, South Dakota

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Sk: Swint-----	90	Not limited		Very limited Deep to water	1.00
TaA: Tilford-----	85	Not limited		Very limited Deep to water	1.00
TaB: Tilford-----	85	Not limited		Very limited Deep to water	1.00
TaC: Tilford-----	85	Not limited		Very limited Deep to water	1.00
TbE: Trebor-----	70	Very limited Slope Droughty Depth to bedrock Restricted permeability Too acid	1.00 0.99 0.42 0.30 0.03	Very limited Deep to water	1.00
Rock Outcrop, Sandy-	20	Not rated		Not rated	
VaA: Vale-----	85	Not limited		Very limited Deep to water	1.00
VaB: Vale-----	85	Not limited		Very limited Deep to water	1.00
VaC: Vale-----	85	Not limited		Very limited Deep to water	1.00
VbF: Vanocker-----	45	Very limited Slope	1.00	Very limited Deep to water	1.00

Ag. Waste Application and Excavated Ponds -- continued  
Lawrence County, South Dakota

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Citadel-----	40	Very limited Slope Restricted permeability Too acid	1.00 0.89 0.02	Very limited Deep to water	1.00
VcE: Virkula-----	65	Somewhat limited Slope Restricted permeability Too acid	0.37 0.30 0.11	Very limited Deep to water	1.00
WaA: Weber-----	90	Very limited Filtering capacity	1.00	Very limited Deep to water	1.00
Wb: Winetti-----	90	Somewhat limited Droughty Cobble content	0.86 0.50	Very limited Deep to water	1.00
ww: Water (less Than 40 Acres)-----	100	Not rated		Not rated	

